

Abstract of the Disclosure:

A transmission line type noise filter connectable between a direct
5 current power supply (70) and an electrical load component (80) to pass a
coming DC current while attenuating a coming AC current comprises a first
conductor (11), a dielectric layer (30), a second conductor (20) as a cathode, a
first anode (12), and a second anode (13). The first and the second
conductors (11, 20) and the dielectric layer (30) serve as a capacitance forming
10 portion (50). The thickness (t) of the first conductor (11) is selected to
substantially restrict temperature elevation of the first conductor (11), which is
caused by DC direct current flowing in the first conductor (11).

(Figs. 1A to 1C)